THE

MOLBY

HEATING BOILER

SELF-FEEDING

The Heating Boiler that Pays for Itself!

IT REALLY COSTS YOU NOTHING. You save half your coal bills, and a great deal more... An investment that Pays Big Dividends right from the start ...Here are the facts and figures...

Laboratory-Tested

Certified by Unbiased Engineers of National Reputation — Your Double Assurance of Dependability

MOLBY Magazine-feed Downdraft-crossdraft Heating Boilers are constructed throughout in accordance with the codes of the American Society of Mechanical Engineers and the American Society of Heating and Ventilating Engineers. They are rated in accordance with the code of the Heating and Piping Contractors National Association.

Tests were made, not only by our own engineers, but in the nationally-known Frost Research Laboratory, at Norristown, Pa.—and these laboratory tests are certified by Mr. Robinson V. Frost, C.E., Member A.S.M.E. and A.S.H. & V.E.

For the benefit of owner, architect, engineer and contractor we present in fullest detail, as submitted by the Frost Research Laboratory, boiler performances, efficiencies and ratings. See charts on pages 19, 20 and 21.

Highest Medal Award of Merit
Sesqui-Centennial

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How the Molby Pays for Itself

THE Molby Boiler is especially adapted for the burning of No. 1 Buckwheat coal, which is an anthracite coal of small screening. Anthracite coal is mined in big lumps. These lumps are then run through breakers. After they are broken they pass over various screens. These screens, each with different size openings, separate the coal into the commercial sizes, such as egg, stove, nut, pea and buckwheat.

You see, therefore, since it comes from the same mine, the heat value of the coal is the same — no matter whether it is the "stove" or "buckwheat" size.

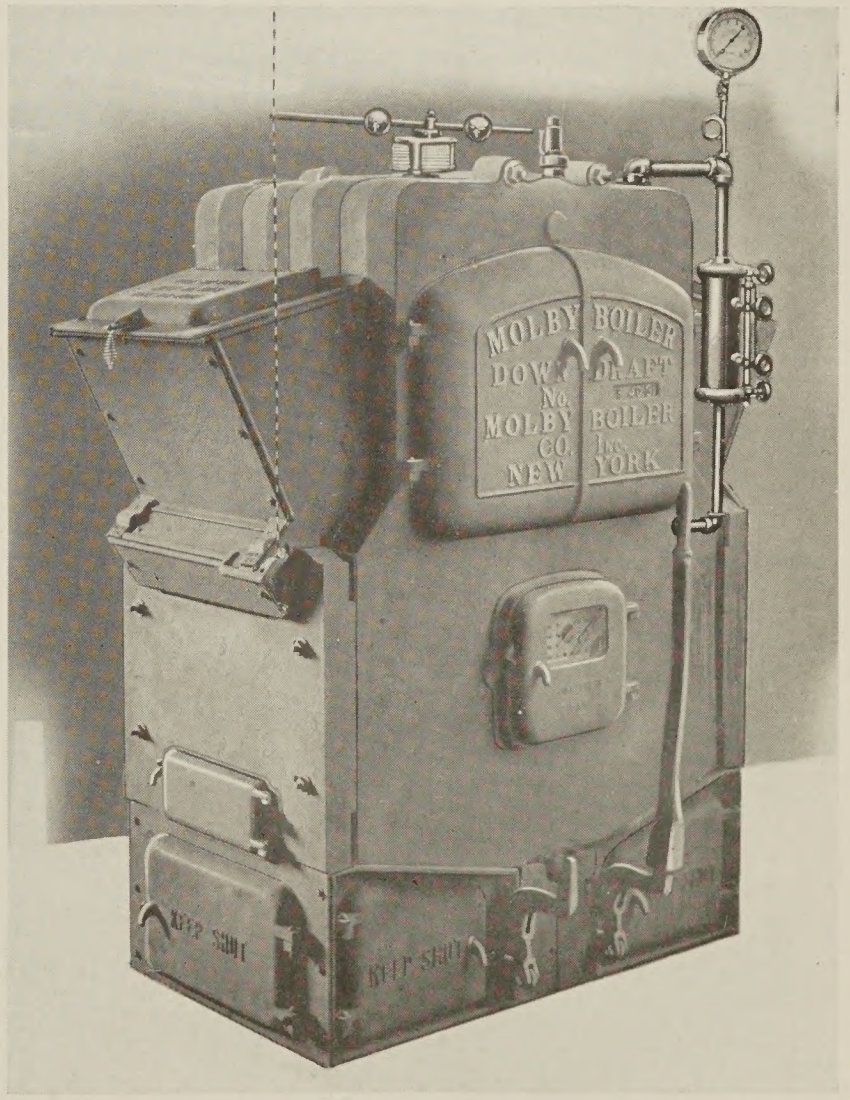
Only Half the Cost

In spite of this fact, it has been only within recent years that there was scarcely any value placed on the "buckwheat" size of anthracite coal. Today you can get all you want of it for about one-half the cost of the larger sizes. For example, during the past season the average price of "stove" coal, depending upon locality, was $14.50 to $15.00 a ton, and No. 1 Buckwheat was about $7.50 a ton.

So if the only way satisfactory results in heating can be obtained with your heating plant is by burning the larger sizes of coal, then your yearly fuel bill is almost twice as high as it ought to be.

The Molby Boiler will give you genuine heating comfort with the same number of tons (or less) of No. 1 Buckwheat coal. Thus, if you burned 15 tons of coal (stove size) last season, the Molby could have saved you $112.50; and if it was an apartment house where 100 tons were used, you could have saved about $750.00.

The Molby is especially adapted for the burning of No. 1 Buckwheat and, therefore, will save for you this difference in coal each year as you will note from testimonial letters on the following pages. The Molby will pay for itself in a very short time. This besides its many other advantages.



Number 2 Series

"Paying Us $3000.00 a Year On Our Boiler Investment"

is what the owners of a 46-family apartment house in Brooklyn have to say about the Molby Boiler—

"WE find that the Molby steam boiler and the Molby hot water supply boiler installed in our apartment house was one of the best investments we ever made. This is a forty-six-family house and our coal bill for the year was $1625.00. Incidentally, some of this coal is still in our bins, so from the foregoing you can see that our heat and hot water for this house cost us less than $35.00 per family.

"This particularly interested us, due to the fact that we also own a smaller apartment house, which is only a thirty-six-family house, where other type boilers are being used and where our fuel bill was $3600.00, or approximately $100.00 per family, which leads us to believe that if we had not insisted on Molby Boilers in the forty-six-family house, our fuel bill would have been approximately $4600.00, so that these boilers are paying us approximately $3000.00 per year on our investment.

"You have our cordial consent to tell others about these boilers, which, of course, we do not at all consider as boilers, but as an investment, paying dividends. It goes without saying that these boilers have already paid for themselves."

The original of this letter is on file at the New York Office of the Molby Boiler Company. Name of owners and address of building on request. Inspection by appointment.

Paying For It . . . Whether You Get It or Not

NO matter what kind of heating plant you are using, if it is not a magazine-feed boiler, then you cannot burn No. 1 Buckwheat coal to best advantage. If it is one of those boilers which requires throwing the fuel by hand through the fire-door opening directly on the fuel-bed, then the use of this size coal is entirely out of the question, unless you have a blower and specially-designed grates installed in connection with that boiler.

Without these specially-designed grates a large amount of this size coal will run through the grates.

With the blower you have the daily cost of electricity to run its motor, and, also, the regular cost of periodic cleanings of this motor, which are quite frequent on account of the dust that gets into its delicate mechanism.

But entirely aside from this expense, the point to remember is, that the cost of the blower system, together with the specially-designed grates, would buy you a new Molby Boiler.

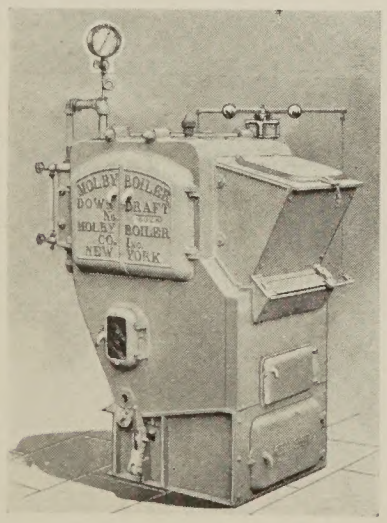
The Remedy

Thus any heating plant that is not a magazine-feed boiler, leaves its user with a vexing problem on his hands; either to go on wasting half of the cost of fuel each year (which equals almost half the cost of a new Molby) or to have a makeshift auxiliary system installed (which would practically equal the entire cost of a new Molby). In either case you lose. In either case you spend an amount equal to the cost of a new Molby magazine-feed boiler in a very short time and still don't have it.

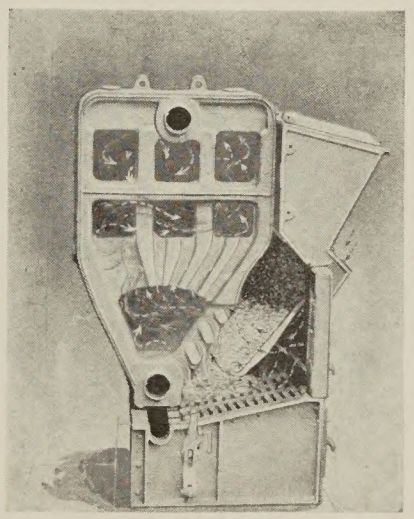
If this were a condition in a modern enterprise it would not be tolerated for a week. And you need not tolerate it either. The solution to your problem is the Molby Boiler.

The Molby pays for itself. In reality it costs nothing. It is an investment that pays big dividends right from the start.

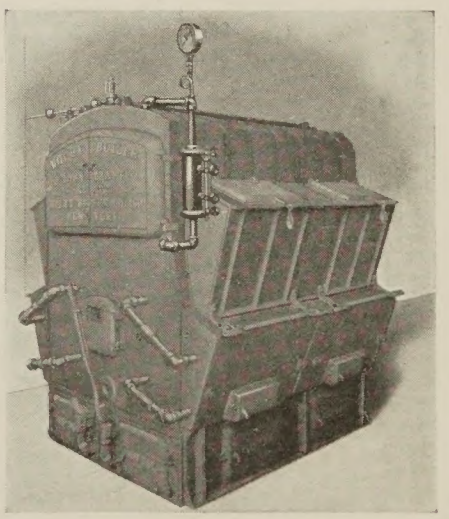
It will pay any owner of property (either a home or a business building), if the heating plant is of the type mentioned above, to scrap the boiler —yes, even if it is brand new.



Number 1 Series



Number 1 Series, Cross-Section



Number 3 Series

Coal Bill was $400.00—Now $200.00—Steady, Even Heat—

RICHARD B. SHERIDAN
420 LEXINGTON AVENUE
NEW YORK

In regard to the Molby Boiler which I installed in my house the beginning of last winter, I am very pleased to tell you that the operation of the plant has been most satisfactory in every way and that as far as its efficiency is concerned, it has fulfilled in every respect all that you have claimed for it.

My coal bills had been on the average of $400 a season, but since using the Molby and burning No. 1 Buckwheat, my coal bill varies from $180 to $200 a season. This, as you see, justifies your claim that the coal bill would be cut.

The magazine-feed of the boiler is a decided convenience and makes it possible to maintain a very uniform control of my hot water heating system.

I am only too glad to recommend this boiler to all householders as being most economical and satisfactory.

R B Sheridan

Architect Specifies Molby Boilers—Hotel and Private Homes — Savings Realized—

FRANK H. HUTTON
ARCHITECT
101 PARK AVENUE
NEW YORK

I have installed three Molby boilers during the last three years, one for steam in an hotel and two for water heating in private homes, and all have given entire satisfaction.

In the case of the hotel and one of the houses, the expected savings by the use of No. 1 buckwheat were fully realized. In the third case, my client used pea coal, which has been giving entire satisfaction except that the savings are not as great as with buckwheat.

I heartily recommend the use of the Molby boilers to anyone.

Frank H Hutton

In Country Residence of Mr. George J. Whelan, Old Westbury, Long Island, N. Y.—A Model Installation—

WM. T. BURTIS
ENGINEER
GLEN HEAD, LONG ISLAND, N. Y.

We installed two of your No. 3 Series Molby boilers in the country residence of Mr. Geo. J. Whelan at Old Westbury, L. I., in 1925, with Warren-Webster system. This plant is giving complete satisfaction with remarkable fuel economy.

We are proud of this job and we frequently show the same to our customers. In the very near future we expect to make a similar installation of Molby boilers.

Wm T Burtis

Most Heat—Least Labor—Fire Burns Continuously Without Attention—

HALL & LOUDON
91-93 WALL STREET
NEW YORK

I am pleased to state that the Molby Boiler, which is now installed in my home, is giving complete satisfaction. I am convinced that it gives the maximum amount of heat with the minimum amount of labor as compared with any other boiler on the market.

Last year the fires were started in this boiler early in October, and they burned continuously without interruption until the heating was dropped sometime in May of this year. During this period the fire was allowed to remain for some very long stretches without attention, and never failed to respond quickly when the drafts were applied.

W D Loudon

Originals of these letters on file at New York office of Molby Boiler Company

The Boiler That Feeds Itself

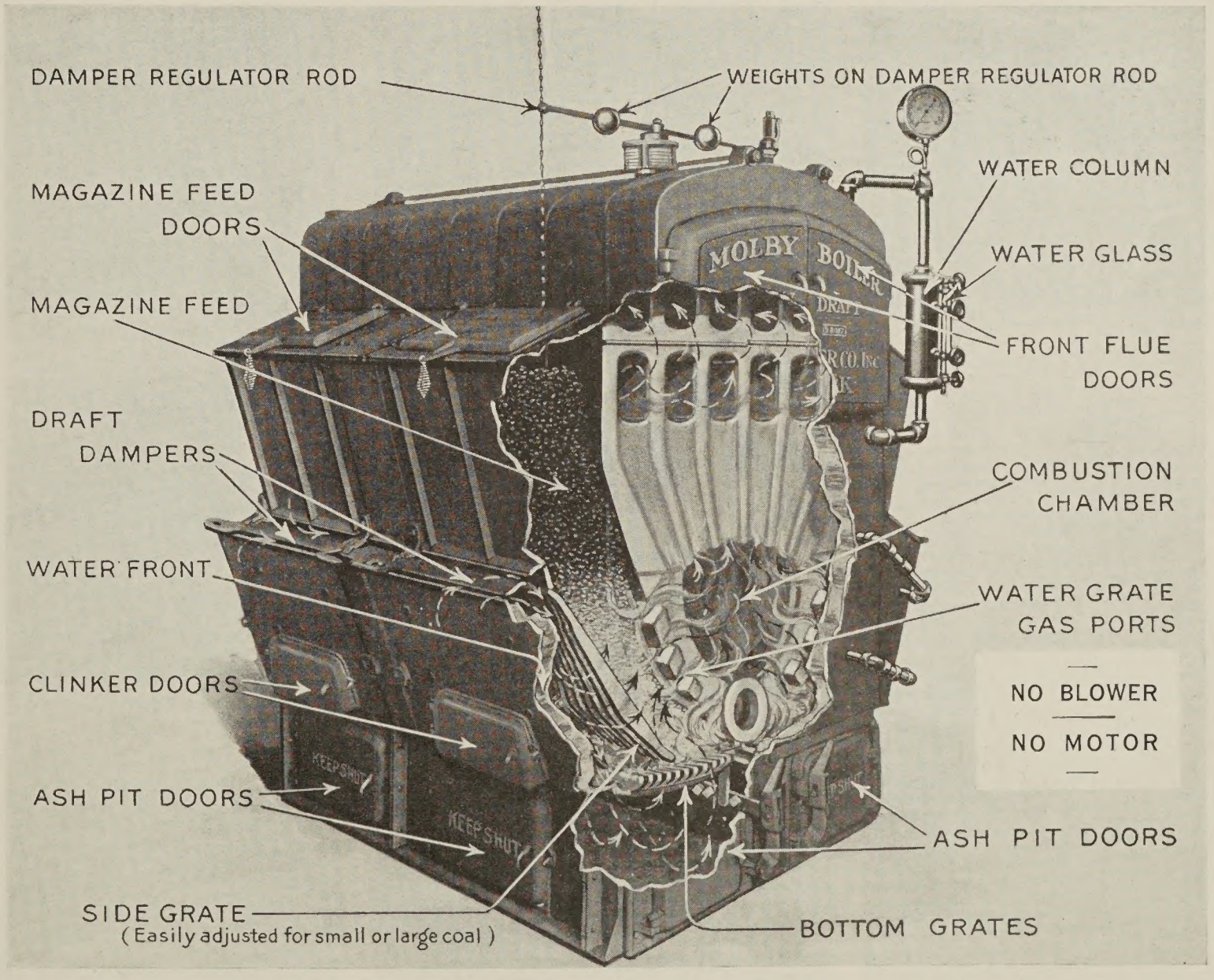
THE Molby Boiler may be used for either steam, vapor, vapor vacuum, or hot water heating.

It is manufactured in 21 sizes, and it is used for heating dwellings, apartment houses, churches, schools, office buildings, garages, factories, etc.

The Molby is also used as a tank heater for the hot water supply for these buildings.

The Molby is a magazine-feed boiler. It has a magazine or compartment at the side of the boiler for storing coal which is entirely separate from the fire-box and combustion chamber, yet it is a part of the boiler. It is not an attachment. There are no working parts, or anything else, to get out of order. It holds enough coal for supplying the fire 24 hours in moderate winter weather and at least 18 hours on very cold days.

This magazine feeds the coal by gravity to the top of the fuel-bed. As the coal in the fire-box is gradually burned, the fuel bed gradually settles. This settling allows the coal to come down in very small quantities to the fire-box. It is as gradual and continuous as the moving of the hour hand of a clock.



Cut-away View of Number 2 Series and Number 3 Series

Geo. J. Whelan, Old Westbury, L. I., N. Y.

Jas. F. Cavanaugh, Great Neck, L. I., N. Y.

Edwin J. Walker, Hartsdale, N. Y.

2327-31 Concourse, New York

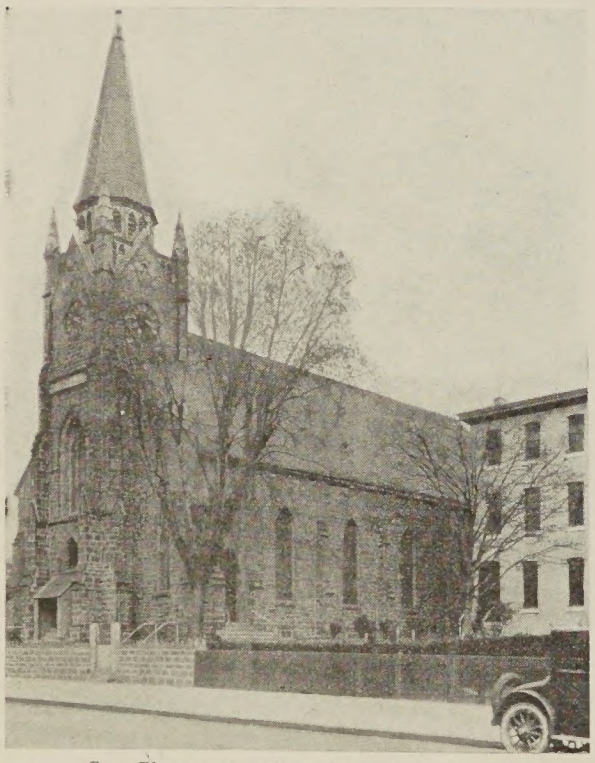
CAN you really afford to continue using your old-fashioned boiler? It's "good business" to change to a Molby Boiler NOW!

Arthur J. Wilson, Plainfield, N. J.

2351-55 Concourse, New York

270-280 Ft. Washington Ave., New York

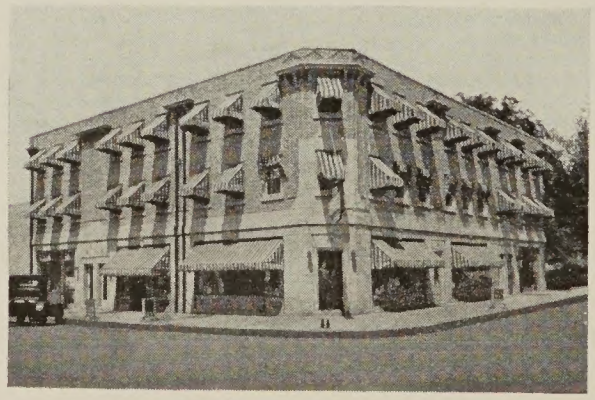
717 West 177th St., New York



St. Clement's Church and Rectory
Philadelphia

684 Riverside Drive, New York

Queens Blvd., L. I., N. Y.



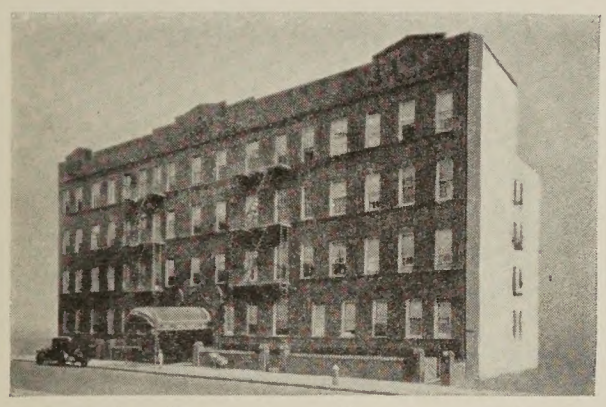
Smedley Apartments
Narberth, Pa.

Kratz Department Store
Lansdale, Pa.

Stanley Smith, Radnor, Pa.

C. F. Bosler, Elkins Park, Pa.

Dr. Shearer, Skippack, Pa.



537-549 Herzl Street, Brooklyn, N. Y.

HERE are a few of the thousands of buildings where owners are saving

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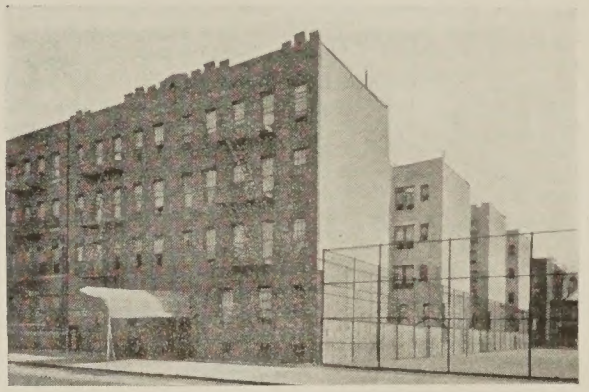
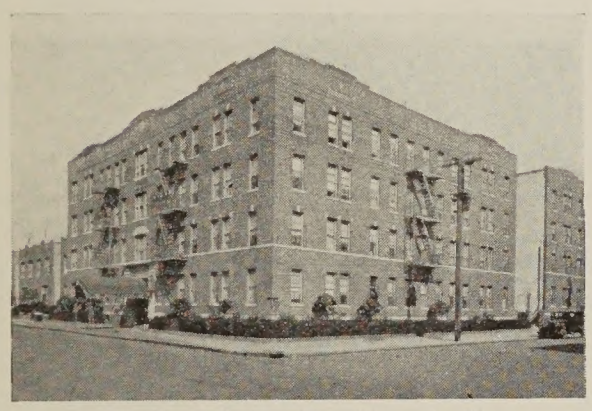
their coal bills

. . . and more!

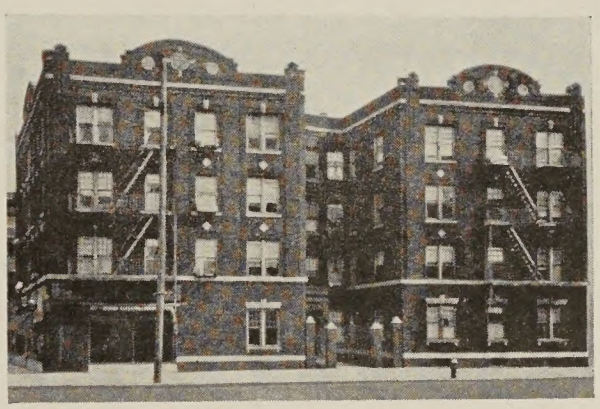
with Molby Boilers!



724 Stone Ave., Brooklyn, N. Y.



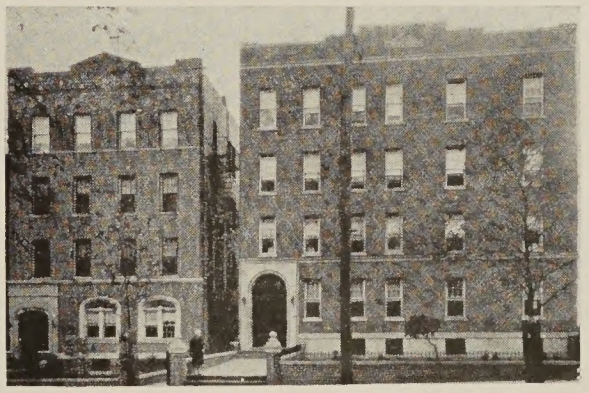
178 E. 95th St., Brooklyn, N. Y.



673 Howard Street, Brooklyn, N. Y.

932 Eastern Parkway, Brooklyn, N. Y.

139-29 34th Road, Flushing, L. I., N. Y.



1314 Eastern Parkway, Brooklyn, N. Y.

Glenside Road and E. 17th Street
Flatbush, Brooklyn, N. Y.

Hunt's Casino Theatre
Wildwood, N. J.

Business Block, Roosevelt and National Ave.
Corona, L. I., N. Y.

Apartment House Owners *Saving More than Half of Cost* of Hot Water Supply —An Interesting Comparison—

KEARNS REALTY COMPANY, INC.
2306 CRESTON AVENUE
NEW YORK CITY

We hereby confirm our order for the Molby Boiler for the 58-family house at 1540 Walton Avenue.

The following comparison of coal consumption and savings in our other buildings will interest you as much as they amaze us:

	Monthly with Old Heaters		Monthly with Molby Boilers	
	tons		tons	
456-8 Mott Ave...	5 Stove Coal	$70.00	5 Buckwheat	$32.20
2351 Concouurse..	2½ " "	35.00	2¼ "	14.40
2355 "	2 " "	28.00	1½ "	9.60
2331 "	2 " "	28.00	1½ "	9.60

Kearns Realty Co., Inc.

H. McDrury

The above is a letter to a New York heating contractor.

Coal Cut from $75.00 to $22.80 a Month—Hot Water Day and Night for All Tenants—Saving Price of Boiler in One Year—

APARTMENT HOUSE
206TH STREET AND TENTH AVENUE
NEW YORK CITY

After two months trial of the Molby hot water supply boiler which you installed for me in my apartment house at 206th Street and 10th Avenue, New York City, I wish to say that I am more than pleased with the results.

My coal bill was $75 a month, now it is $22.80 a month.

My janitor is also pleased, for I am told that instead of a can of ashes a day, there are now only two cans a week.

As for the tenants, they are delighted. They can now come home any hour of the day or night and find boiling water on tap.

I am planning to replace my old steam heating boiler with a Molby before cold weather sets in for I can save the price of the boiler in one year.

By all means show this letter to others.

M. Preuss

Saving 50% on Sixty Tons of Coal—Egg Coal, $780.00—No. 1 Buckwheat, $390.00—

MODERN CANTORS ASSOCIATION
HEADQUARTERS: CENTRAL SYNAGOGUE
LEXINGTON AVENUE AND 55TH STREET
NEW YORK

As to the Molby boiler which you installed in October, 1928, I am well pleased with its performance.

Previous to its installation I used 60 ton egg coal at $13 per ton and now with the Molby boiler I am using 60 ton Buckwheat No. 1 at $6.50 per ton. So you can see this is saving me just half on my coal bills.

I assure you of my deep appreciation.

Per S. Fine

Forty Families Get Heat and Hot Water from Same Boilers—

1687-1689 ST. JOHN'S PLACE
BROOKLYN, N. Y.

I am greatly pleased with the heating system installed in my apartment houses at Numbers 1687-1689 St. John's Place, Brooklyn.

I am burning No. 1 Buckwheat coal, and the two Molby Magazine-Feed Boilers that you installed with hot water attachment, burn about 150 tons of No. 1 Buckwheat for a winter's season. This for forty families.

N. Cohen

Originals of these letters on file at New York office of Molby Boiler Company

Are You a Cellar Sprinter?

YOU simply fill it and go away and forget it. Thus, an owner writes, the Molby Boiler brings to an end the continual running down cellar steps and back again.

"Before having the Molby Boiler installed, each morning when I awoke and also before I left for the office, for five long months every winter, it was, 'Won't you run down and look at the fire?'

"In the evening when I arrived home it was, 'Please look at the fire. The house feels cold. I have looked at it ten times today." And so on into the night my running down to the cellar and back continued each winter's night until I had the Molby Boiler installed.

"This winter I put coal in the magazine only once a day, except for ten extremely cold days, and then only twice in 24 hours.

"Best of all, my wife never has to look at the fire. And my coal bill is less than half of what it was last year."

That this elimination of tiresome back and forth trips to the cellar is a genuine labor-saver to the home-owner will not be doubted. The fact that wife or daughter do not need to look after the fire at all is the perfection of heating comfort.

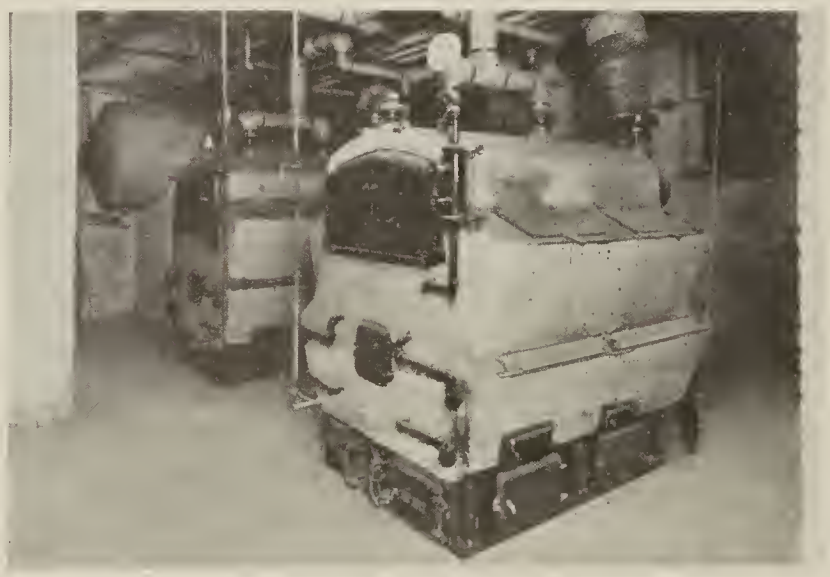
No Fires to Rekindle

With the reserve supply of coal stored in the Molby's magazine you can forget the fire all day and know the building is delightfully warm. No more rekindling two or three times a week — no more of the resultant waste of fuel from dumping and rekindling — if you have a Molby.

Apartment House Owners Save Labor, Too

For the owner of apartment houses, stores and the like, Molby Boilers effect a big saving in money. With them a janitor can take care of at least five times as many fires. Or putting it another way, he can take care of the same number of fires and have four-fifths of his time for other work around the buildings.

With this reduction in labor cost and the great saving in fuel, Molby Boilers soon pay for themselves. After that they pay handsome dividends.



Apartment House Heating Installation: Number 3 Series

In Philadelphia, Leaders in Financial and Engineering Circles Heat Their Homes with the Molby—

W. P. MACKENZIE COMPANY
ENGINEERS AND CONTRACTORS
1234-36 CALLOWHILL STREET
PHILADELPHIA

All of the installations that we have made have proved so efficient and so satisfactory that we never hesitate to recommend the Molby Boiler.

Among our customers using the Molby Boiler are some of the most prominent people in financial and engineering circles.

We wish you continued success.

W. P. Lunn,

Followed Heating Contractor's Advice —Freezing Weather Outside—Warmth and Comfort Inside—

HUNT'S THEATRES INCORPORATED
EXECUTIVE OFFICES
1324 VINE STREET
PHILADELPHIA

With reference to your recent installation of a Molby Boiler and heating plant in our office building at Wildwood, we wish to say that we are very very much pleased with this plant. This boiler gives plenty of heat in extreme cold weather.

We are indeed glad that we followed the advice of our heating contractor and put in a Molby.

D. C. Hunt

D. C. Hunt,
President.

Nine Apartment Houses Change to Molby Heating Boilers — Tenants Pleased — Big Savings in Coal and Labor—

WILLIAM CONDON
REAL ESTATE
701-702 PENNSYLVANIA BUILDING
15TH AND CHESTNUT STREETS
PHILADELPHIA

The nine Molby Boilers installed in the Ruthland Apartments, 5415 to 5449 Locust Street, are perfectly satisfactory, effecting large savings in coal and attention.

These nine boilers replaced three magazine-feed boilers (of a prominent make) and six surface grate boilers with thermostatically controlled blowers, none of which were satisfactory.

I have not had a complaint from any of my fifty-three tenants regarding heat this winter.

I shall be glad to show the Molby Boilers and give complete information to all who are interested.

Wm Condon

"All You Claim"—No Empty Promises — Profiting by Experience of Customer—

A. L. BOORSE
PLUMBING AND HEATING
9419 BUSTLETON AVENUE
BUSTLETON, PHILA.

The Molby Boiler I installed for a customer is in operation and it is all you claim.

I think so much of the money-saving and labor-saving advantages of the Molby, that I am enclosing order for one for my own home. I know from my customer's experience that it will pay for itself in a short time.

In the light of proven performance I strongly recommend the Molby Boiler.

A. L. Boorse

Originals of these letters on file at New York office of Molby Boiler Company

Getting All the Heat From Fuel With the "Downdraft-Crossdraft"

THE Molby is the only boiler in which the gases are distilled from the coal and then passed through a red-hot fuel bed. They *must* burn.

In all boilers, except the Molby, there are openings immediately above, or directly at the rear of, the fire-box where the gases enter the flues instantly and pass out the smoke pipe and up the chimney. If you have not noticed this, examine the heating boiler you have at home and you will discover these openings. You have, of course, observed, each time you put on fresh coal on the fuel bed, black gases, full of carbon, (distilled coal) immediately rise from the fuel bed.

Watch where they go — into the flues away from the fire and up the chimney unburned.

Except in the Molby, often one-third to one-half of the gases that should be turned into heat pass up the chimney unburned.

The Molby Alone Has This

You can see for yourself why the Molby alone gets all of the heat out of the fuel. It employs the downdraft-crossdraft principle in burning the fuel. This principle is illustrated on page 7.

Will Burn All Sizes of Coal— or Coke

OF course, Buckwheat coal is the lowest in cost for heating purposes. It is always easily obtained, and always will be, as long as coal is mined. But the owner of a Molby Boiler is not confined to the use of Buckwheat alone. The larger sizes of hard coal can be burned just as readily, as well as the smaller or larger sizes of coal or bituminous coal.

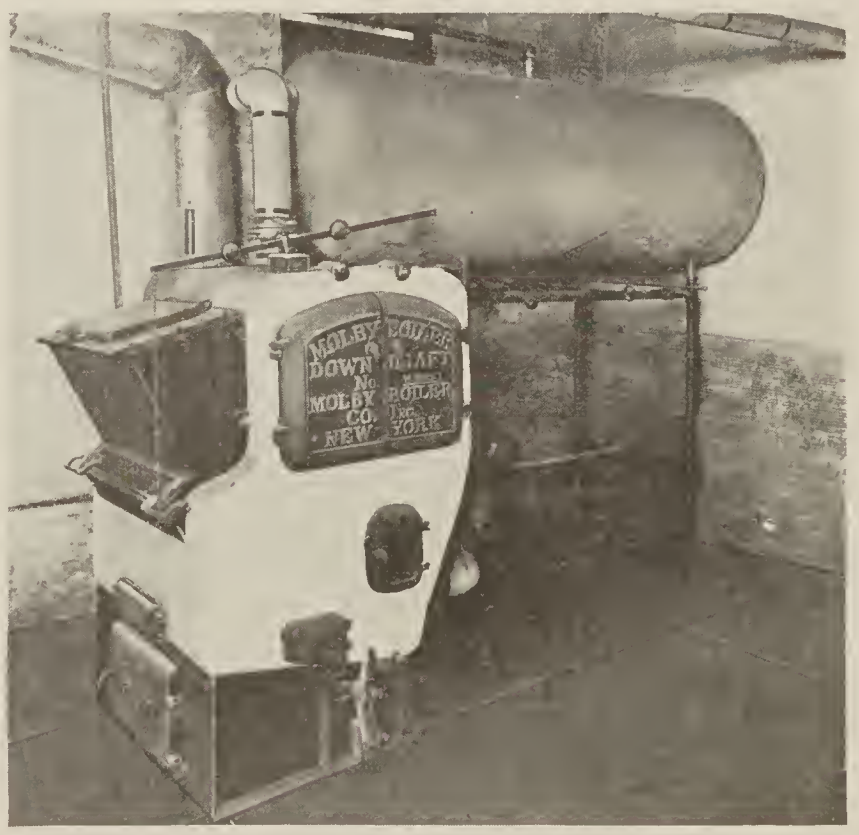
Even if you now have a supply of large size coal in your bins it will pay you to get a Molby for its self-feeding magazine. Then follow with Buckwheat and save real money.

Hot Water Supply for Apartment Houses and Other Large Buildings

THE principle of heating the hot water needed for bathroom and kitchen, laundry and other purposes in an apartment house is the same as that involved in the method of heating buildings with radiators.

The Molby Boiler, therefore, is widely used as a hot water supply boiler in apartment houses, hotels, clubs and so forth. The fact that it requires coaling only about every twenty-four hours makes it very easy to care for and particularly advantageous to the building owner.

Among the testimonials given in this booklet are some from the users of the Molby Magazine-Feed Boiler for hot water supply heating. There are many others who have written us, telling of their genuine satisfaction and great savings in coal bills. We shall be pleased to furnish anyone interested, references and locations of jobs where he can check up to his own satisfaction the unusual service Molby Boilers are giving for large volume hot water supply.



Hot Water Supply Heater: Number 1 Series

Hotel Service — Large Volume Hot Water Supply Day and Night—

HOTEL APOLLO
DIRECTLY ON THE OCEAN FRONT
BOARDWALK NEAR NEW YORK AVENUE
ATLANTIC CITY, N. J.

I want you to know how satisfied I am with the Molby Boiler installed here at the hotel. It is the very hot water boiler that I have always wanted ever since I first entered the hotel business.

Your boiler has solved for all time the problem of "hot water for guests" for I find that the Molby meets the most exacting hotel requirements. Day and night, we can depend upon the water to be "boiling hot."

Count me as a cheerful booster for the Molby self-feeding boiler.

Samuel Schwartz

You Can Leave Home for a Week-End —Operates 4 Days Without Attention to Fire—

RUSSELL HOOPER
WEST CHESTER, PA.

You will be interested to know that I have experimented with my boiler in many ways and must say that I find it practically "fool proof." I have kept fire in it as long as four days without touching it. I burn No. 1 Buckwheat.

Russell Hooper

Heating Contractors of Reputation Safeguard Their Customers' Interests—

JOHN J. JARVIS
STEAM AND HOT WATER HEATING
4433 GERMANTOWN AVENUE
PHILADELPHIA, PA.

Recently I installed one of your Molby Boilers. At the time we purchased this boiler it was recommended as one of the best boilers in the morket. I wish to say that the installation has proved to be very successful, and that the boiler is very economical in operation. I just wanted you to know that my customer and I are very well pleased with the Molby Boiler.

John J Jarvis

MOLBY OWNERS of every type of building are constantly writing letters of genuine appreciation, telling how much money, time and labor they are saving.

A Molby Boiler is an investment that pays big dividends.

Originals of these letters on file at New York office of Molby Boiler Company

A Summary of How the Molby Pays for Itself

WHEN you read page five you undoubtedly felt that we had assumed a big assignment to prove that it would pay you to discard your present heating boiler (no matter how recently it was installed) and replace it with a Molby.

But now, however, you realize the big difference between the price of No. 1 Buckwheat coal and the larger sizes; and by multiplying the number of tons you used last winter by this difference in price, you realize the loss you have had each year by not having a Molby. At the end of two years your Molby would have been paid for by this saving.

During that period of time and for many years to come you could have had all these advantages:

1. A saving of about $7.00 on each ton of coal used.

2. Fueling only once every 24 hours except in extremely cold weather and then not more than twice a day.

3. No more continual running up and down cellar steps.

4. No more rekindling of fires.

5. Nothing to get out of order.

6. No more rising and falling temperatures throughout the building because the fire is never smothered.

7. All gases burned—none wasted—due to the downdraft-crossdraft principle. Illustrated on pages 5 and 7.

These features are all dividends that are paid to you yearly, long after the Molby Boiler has paid for its actual cost in the saving on the price of fuel.

Back of the Name MOLBY

Now look at the strength of organization back of the Molby Boiler Company itself.

The Molby Boiler Company Incorporated, is an associate company of The Central Foundry Company, Central Radiator Company and Essex Foundry; and it is a subsidiary of the nationally known parent company—The Universal Pipe and Radiator Company. When you select a Molby Boiler, you realize that it is backed by the vast resources of one of the largest foundry organizations in the world, comprising a complete group of industries which owns and operates twelve foundries, a blast furnace, mines, coke and by-products plant, and its own iron fields.

No More Tons of Buckwheat than Larger Coal—A Very Satisfactory Investment—

ARTHUR W. WILSON
PLAINFIELD, N. J.

In 1926-1927, I burned a large sized coal in a well-known make of round boiler, using 13 tons at a cost of $201.75.

After installing the Molby Boiler, my bill for 1927-1928 was 13 tons of buckwheat coal at a cost of $104.50; while in 1928-1929 I used 14 tons at a cost of $119.00.

I consider this a very good record, inasmuch as when I bought the Molby Boiler from you I was inclined to believe that I would have to burn more buckwheat than large coal, but a two-year record shows the tons of coal consumed to be about the same.

Inasmuch as you have reduced my coal bills more than one-third and my house has been much warmer since the Molby Boiler has been installed, I consider this a very satisfactory investment.

Arthur W. Wilson

Factory Heated by Battery of Molbys—Exceptional Low Cost Maintenance—

ALTRO WORK SHOPS
INCORPORATED
MANUFACTURERS OF UNIFORMS FOR THE HOSPITAL, HOTEL, INSTITUTION AND HOME
1021 JENNINGS STREET
NEW YORK CITY

The battery of Molby Boilers which you installed for us has given exceptionally satisfactory service. We are very happy indeed to recommend this boiler to anyone desiring a boiler that assures such economy of maintenance and utmost satisfaction.

M Eisele

On a High Hill—Exposed All Sides—Dependable and Economical Heating—

THE HOMESTEAD
320 POST ROAD
PORT CHESTER, N. Y.

Three years ago I installed a Molby Double Magazine Boiler in my house. We are situated on a high hill—exposed on all sides—and our heating plant has been most satisfactory in every way.

Not having to bank the fire at night, makes it possible to have steam at all times, and I feel that in every respect I have a very dependable and economical heating plant. I shall be very glad to show it to any one who is interested.

Mrs. Helen A. Lister

Saves Half of Coal Bills—Architect Recommending Molby to Clients—

STUART BETTS
STAMFORD, CONN.

Since the installation of a Molby Boiler in our home three years ago, our heating problems are ended. Every room in the house is comfortable, and the coal bills are about half the former amount.

My father, who is an architect as you know, endorses your boiler and is recommending it to his clients.

Stuart Betts

Originals of these letters on file at New York office of Molby Boiler Company

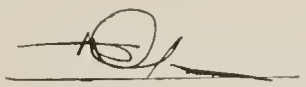
Banker Commends Molby Boiler for Economy and Ease of Operation in Severest Winter Weather—

THE FIRST NATIONAL BANK
OF
MERRICK, NEW YORK

Four years ago I purchased a Molby Steam Heating Boiler and I feel that I owe it to your company to record my satisfaction with the very splendid and efficient service and operation of your boiler.

I most strongly commend this boiler, not only because it requires so little attention but also because of economy in operation during the severest periods of winter.

You are at liberty at any time to use my name in recommending this boiler, or to refer to me any prospective buyer in my locality.



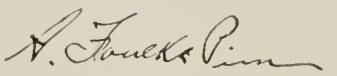
F. Wolfe,
President.

Hotel Changed to a Molby Heating Boiler — "We Recommend It Most Highly"—

SQUIRREL INN COMPANY
TWILIGHT PARK
HAINES FALLS, NEW YORK

Here at Twilight Park, Haines Falls, New York, we have a Molby Steam Heating Boiler which was installed three years ago. It has given us entire satisfaction and we have and do recommend it most highly.

We now use buckwheat coal which is much less expensive than the stove coal that we were obliged to use in the old heater. And the magazine feed does away with the nuisance of putting coal on the fire every little while.

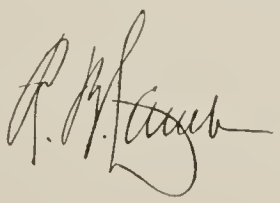


A. Foulke Pim,
Manager.

Doctor Tested and Compared Molby with Other Make—Molby Lived Up to Its Rating—Now 4 Molbys in Group of Hospital Units—

CRICHTON HOUSE
HARMON-ON-HUDSON
NEW YORK

When I built this house in 1920 I installed a boiler of another make—it failed to live up to its rating. I then installed a Molby along side of it. The Molby lived up to its rating and more. Since then I have added three separate buildings each of which is equipped with a Molby Boiler. This I believe is adequate testimony as to my opinion of the merits of your boiler.



Dr. Robert B. Lamb.

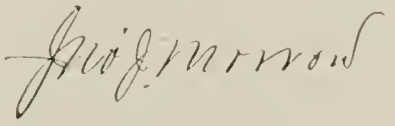
No Shovel Work Here — So Much Easier—

JOHN J. MORROW, Inc.
Draperies—Furniture—Wall Papers—Painting
13 West 48th Street
New York

I am now entering on my fourth winter in the use of the Molby buckwheat-burning boiler installed in my house at Scarsdale, N. Y., and I want to tell you that it is giving me a great deal of satisfaction.

There is one thing that particularly pleases me about your boiler, and that is the feeding of it. I simply fill the scuttle with the coal and dump it into the magazine, instead of having to throw the coal in with a shovel. It is so much less labor and so much easier.

Any time you wish to bring anyone to see my heating plant I should be very glad to have you call.



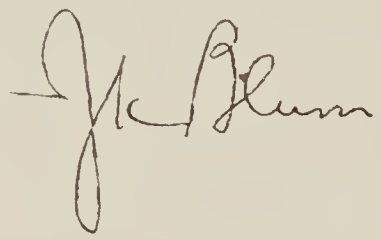
Originals of these letters on file at New York office of Molby Boiler Company

Mechanical Engineer Thinks Molby is Underestimated—Exceeds Expectations—

JOSEPH K. BLUM, M. E.
SEVENTY EAST FORTY FIFTH STREET
NEW YORK

Regarding my Molby Boiler, I am very glad to say that I have been completely satisfied with it after using it for two heating seasons.

I might add that I think that you underestimate it. I am impressed with its easy regulation and more complete burning of the coal.

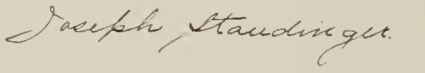


Experience with Other Heaters Proves Molby Most Economical—

JOSEPH STAUDINGER
1097 CASTLETON AVENUE
WEST NEW BRIGHTON
STATEN ISLAND, N. Y.

The Molby Boiler I purchased a year ago has proved very satisfactory.

Have had experience with many different types of furnaces and have found the Molby Boiler, with its self-feeding system, a real labor-saver and most economical.



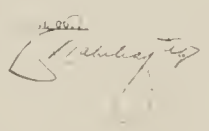
Coal Merchant has Molby in Own Home —Much More Satisfactory—

CONSUMERS COAL CO.
HY. L. WAHRHAFTIG
LIBERTY, N. Y.

In view of the splendid service which we have obtained through the use of your Molby Boiler in our house, we are prompted to express our appreciation for the good results which we have derived the last two years.

Your boiler has given us satisfaction both efficiently and economically.

The writer, engaged in the coal business, has had the opportunity through long and varied experiences, to note the different kinds of boilers, and finds yours to be much more satisfactory.



Heating and Hot Water from Same Boilers —Recommending Molby to Friends—

NEW ENGLAND COAL CO., INC.
140 MAIN STREET
WOONSOCKET, R. I.

Upon seeing an exhibit of your boiler in Scranton about five years ago, I had one installed in a cottage which has been rented.

The results were so satisfactory that two years ago, I installed a larger size in our home. Both boilers have attachments for heating water.

Before the Molby was installed I burned coal at $18.00 a ton. This winter I am burning No. 1 buckwheat at $10.00 a ton.

In both houses, satisfactory results have been obtained by using practically the same number of tons of No. 1 Buckwheat that had been used previously of the domestic sizes of Anthracite.

Attached are the names of four good friends of mine who are much impressed with the money-saving and labor-saving advantages of your boiler.

After my five year experience, I have only praise for the Molby boiler.

Originals of these letters on file at New York office of Molby Boiler Company

Performance Tables—Molby Magazine Feed Downdraft-Crossdraft Boilers

Tests made by the Frost Research Laboratory (See Page 2)

S—1–4 Steam / W—1–4 Water					
Grate Area	2.44 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	194 lbs.				
Available Fuel Capacity (Magazine)	120 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	450	361	291	222	119.5
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	720	578	465	355	191
3. Net Output Steam with 25% allowance for piping	360	289	233	177.5	95.5
4. Net Output Water with 25% allowance for piping	576	462	372	284	153
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	7.48	7.48	7.23	6.91	5.94
6. Output at Boiler Outlet–Thousands BTU. per Hour	108	86.7	69.8	53.3	28.7
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	15	12	10	8	5
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.15	4.92	4.10	3.27	2.05
10. Overall Efficiency of Boiler and Grate Per cent	58	58	56	53.5	46
11. Flue Gas Temperature leaving Boiler Degrees F	410	330	290	240	220
12. Draft Tension in Smoke Outlet Inches	.15	.12	.10	.08	.06
13. Chimney required– Dimensions Inches	8x8	8x8	8x8	8x8	8x8
Height Feet	35	35	35	35	35

S—1–5 Steam / W—1–5 Water					
Grate Area	3.23 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	259 lbs.				
Available Fuel Capacity (Magazine)	160 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	643	530	434	329	180
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	1028	848	694	527	288
3. Net Output Steam with 25% allowance for piping	514	424	347	263	144
4. Net Output Water with 25% allowance for piping	822	678	555	422	230
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	8.00	8.26	8.06	7.68	6.71
6. Output at Boiler Outlet–Thousands BTU. per Hour	154.5	127.5	104	79	43.2
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	20	16	13.34	10.66	6.67
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.19	4.95	4.13	3.30	2.06
10. Overall Efficiency of Boiler and Grate Per cent	62	64	62.5	59.5	52
11. Flue Gas Temperature leaving Boiler Degrees F	450	380	340	300	240
12. Draft Tension in Smoke Outlet Inches	.15	.12	.10	.08	.05
13. Chimney required– Dimensions Inches	8x12	8x8	8x8	8x8	8x8
Height Feet	35	35	35	35	35

S—1–6 Steam / W—1–6 Water					
Grate Area	4.02 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 5.25 lbs. per cu. ft.)	325 lbs.				
Available Fuel Capacity (Magazine)	201 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	860	740	609	464	250
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	1375	1183	974	741	400
3. Net Output Steam with 25% allowance for piping	688	592	487	371	200
4. Net Output Water with 25% allowance for piping	1100	947	778	593	320
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	8.52	9.16	9.03	8.58	7.42
6. Output at Boiler Outlet–Thousands BTU. per Hour	206	178	146	111	60
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	25.1	20.1	16.75	13.4	8.38
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.24	5.00	4.11	3.33	2.08
10. Overall Efficiency of Boiler and Grate Per cent	66	71	70	66.5	57.5
11. Flue Gas Temperature leaving Boiler Degrees F	480	415	380	350	300
12. Draft Tension in Smoke Outlet Inches	.15	.12	.10	.08	.05
13. Chimney required– Dimensions Inches	8x12	8x12	8x8	8x8	8x8
Height Feet	35	35	35	35	35

S—1–7 Steam / W—1–7 Water					
Grate Area	4.82 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	392 lbs.				
Available Fuel Capacity (Magazine)	242 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	1038	893	735	558	302
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	1660	1430	1175	894	483
3. Net Output Steam with 25% allowance for piping	830	715	587	446	241
4. Net Output Water with 25% allowance for piping	1328	1143	940	715	386
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	8.52	9.16	9.03	8.58	7.42
6. Output at Boiler Outlet–Thousands BTU. per Hour	250	214	176	134	72.2
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	30.3	24.2	20.2	16.13	10.1
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.28	5.00	4.19	3.34	2.09
10. Overall Efficiency of Boiler and Grate Per cent	66	71	70	66.5	57.5
11. Flue Gas Temperature leaving Boiler Degrees F	500	440	405	375	325
12. Draft Tension in Smoke Outlet Inches	.19	.14	.12	.10	.06
13. Chimney required– Dimensions Inches	12x12	8x12	8x12	8x8	8x8
Height Feet	35	35	35	35	35

S—1–8 Steam / W—1–8 Water					
Grate Area	5.60 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	458 lbs.				
Available Fuel Capacity (Magazine)	283 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	1210	1040	855	650	352
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	1935	1663	1370	1040	563
3. Net Output Steam with 25% allowance for piping	968	832	685	520	282
4. Net Output Water with 25% allowance for piping	1550	1330	1095	832	450
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	8.52	9.16	9.03	8.58	7.42
6. Output at Boiler Outlet–Thousands BTU. per Hour	291	250	250.5	156.5	84.5
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	35.4	28.3	23.6	18.9	11.8
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.32	5.00	4.21	3.37	2.40
10. Overall Efficiency of Boiler and Grate Per cent	66	71	70	66.5	57.5
11. Flue Gas Temperature leaving Boiler Degrees F	500	440	405	375	325
12. Draft Tension in Smoke Outlet Inches	.19	.14	.12	.10	.06
13. Chimney required– Dimensions Inches	12x12	12x12	8x12	8x12	8x8
Height Feet	35	35	35	35	35

S—2–5 Steam / W—2–5 Water					
Grate Area	7.14 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	596 lbs.				
Available Fuel Capacity (Magazine)	391 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	1447	1298	1049	804	430
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	2315	2077	1679	1286	689
3. Net Output Steam with 25% allowance for piping	1158	1038	839	643	344
4. Net Output Water with 25% allowance for piping	1852	1662	1343	1029	551
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	7.36	8.26	8.00	7.68	6.58
6. Output at Boiler Outlet–Thousands BTU. per Hour	347.7	312	252	193	103.5
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	48.90	39.10	32.60	26.06	16.30
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.83	5.48	4.56	3.51	2.28
10. Overall Efficiency of Boiler and Grate Per cent	57.0	64.0	62.0	59.5	51.0
11. Flue Gas Temperature leaving Boiler Degrees F	645	505	435	365	260
12. Draft Tension in Smoke Outlet Inches	.16	.11	.08	.06	.025
13. Chimney required– Dimensions Inches	12x16	12x16	12x12	8x12	8x12
Height Feet	35	35	35	35	35

S—2–6 Steam / W—2–6 Water					
Grate Area	8.9 sq. ft.				
Fuel Depth	8 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	750 lbs.				
Available Fuel Capacity (Magazine)	492 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	1833	1658	1359	1037	569
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	2933	2653	2174	1659	910
3. Net Output Steam with 25% allowance for piping	1466	1326	1087	830	455
4. Net Output Water with 25% allowance for piping	2346	2122	1739	1327	728
5. Evap. per lb. of Fuel @ 12500 BTU. per lb. Fuel Steam @ 2 lbs. Pressure	7.42	8.39	8.26	7.87	6.91
6. Output at Boiler Outlet–Thousands BTU. per Hour	440.5	398.5	326.5	249	136.7
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content) lbs.	61.50	49.20	41.00	32.80	20.50
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.90	5.52	4.60	3.68	2.30
10. Overall Efficiency of Boiler and Grate Per cent	57.5	65.0	64.0	61.0	53.5
11. Flue Gas Temperature leaving Boiler Degrees F	665	520	450	375	270
12. Draft Tension in Smoke Outlet Inches	.175	.12	.09	.065	.03
13. Chimney required– Dimensions Inches	12x16	12x16	12x16	12x12	8x12
Height Feet	35	35	35	35	35

Molby . . . the boiler that pays for itself

Performance Tables—Molby Magazine-Feed Downdraft-Crossdraft Boilers

Tests made by the Frost Research Laboratory (See Page 2)

S—2–7 Steam	W—2–7 Water				
Grate Area					10.6 sq. ft.
Fuel Depth					8 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					904 lbs.
Available Fuel Capacity (Magazine)					593 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	2231	2014	1668	1290	718
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	3570	3222	2669	2064	1149
3. Net Output Steam with 25% allowance for piping	1785	1611	1334	1032	574
4. Net Output Water with 25% allowance for piping	2856	2578	2135	1651	919
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.48	8.45	8.39	8.13	7.23
6. Output at Boiler Outlet–Thousands BTU. per Hour	536	484	400.9	310	172.6
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	74.25	59.3	49.5	39.5	24.75
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	7.00	5.59	4.67	3.72	2.33
10. Overall Efficiency of Boiler and Grate...Per cent	58.0	65.5	65.0	63.0	56.0
11. Flue Gas Temperature leaving Boiler...Degrees F	685	535	460	385	275
12. Draft Tension in Smoke Outlet...Inches	.19	.135	.10	.075	.035
13. Chimney required–Dimensions...Inches	12x16	12x16	12x16	12x16	12x12
Height...Feet	35	35	35	35	35

S—2–8 Steam	W—2–8 Water				
Grate Area					12.4 sq. ft.
Fuel Depth					8 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					1057 lbs.
Available Fuel Capacity (Magazine)					694 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	2633	2380	1982	1550	878
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	4213	3808	3171	2479	1405
3. Net Output Steam with 25% allowance for piping	2106	1904	1585	1240	703
4. Net Output Water with 25% allowance for piping	3370	3046	2537	1983	1124
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.55	8.52	8.52	8.33	7.55
6. Output at Boiler Outlet–Thousands BTU. per Hour	632.7	571.9	476	372.4	211
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	86.85	69.4	57.9	46.3	28.95
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	7.10	5.51	4.67	3.73	2.33
10. Overall Efficiency of Boiler and Grate...Per cent	58.5	66.0	66.0	64.5	58.5
11. Flue Gas Temperature leaving Boiler...Degrees F	705	555	475	400	285
12. Draft Tension in Smoke Outlet...Inches	.23	.16	.12	.09	.04
13. Chimney required–Dimensions...Inches	16x16	12x16	12x16	12x16	12x12
Height...Feet	35	35	35	35	35

S—2–9 Steam	W—2–9 Water				
Grate Area					14.2 sq. ft.
Fuel Depth					8 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					1211 lbs.
Available Fuel Capacity (Magazine)					795 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	3039	2762	2315	1825	1047
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	4862	4419	3705	2920	1675
3. Net Output Steam with 25% allowance for piping	2431	2209	1852	1460	837
4. Net Output Water with 25% allowance for piping	3890	3535	2964	2336	1340
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.62	8.65	8.71	8.58	7.87
6. Output at Boiler Outlet–Thousands BTU. per Hour	730	663.6	556	438.5	251.6
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	99.40	79.5	66.26	53.0	33.13
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	6.99	5.60	4.66	3.73	2.33
10. Overall Efficiency of Boiler and Grate...Per cent	59.0	67.0	67.5	66.5	61.0
11. Flue Gas Temperature leaving Boiler...Degrees F	725	570	490	410	290
12. Draft Tension in Smoke Outlet...Inches	.28	.19	.15	.11	.05
13. Chimney required–Dimensions...Inches	16x16	16x16	12x16	12x16	12x16
Height...Feet	35	35	35	35	35

S—2–10 Steam	W—2–10 Water				
Grate Area					15.9 sq. ft.
Fuel Depth					8 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					1363 lbs.
Available Fuel Capacity (Magazine)					895 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	3449	3136	2673	2122	1238
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	5518	5017	4277	3396	1981
3. Net Output Steam with 25% allowance for piping	2759	2509	2138	1698	990
4. Net Output Water with 25% allowance for piping	4414	4014	3422	2717	1585
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.68	8.71	8.91	8.84	8.26
6. Output at Boiler Outlet–Thousands BTU. per Hour	828.8	753.5	642.4	510	297.5
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	111.80	89.5	74.7	59.7	37.3
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	7.00	5.63	4.69	3.76	2.35
10. Overall Efficiency of Boiler and Grate...Per cent	59.5	67.5	69.0	68.5	64.0
11. Flue Gas Temperature leaving Boiler...Degrees F	740	585	500	420	300
12. Draft Tension in Smoke Outlet...Inches	.31	.22	.17	.125	.06
13. Chimney required–Dimensions...Inches	16x16	16x16	12x16	12x16	12x16
Height...Feet	35	35	35	35	35

S—2–11 Steam	W—2–11 Water				
Vertical Grate Area					17.6 sq. ft.
Fuel Depth					8 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					1516 lbs.
Available Fuel Capacity (Magazine)					995 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	3886	3565		2410	1421
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	6217	5704	4830	3856	2273
3. Net Output Steam with 25% allowance for piping	3109	2852	2415	1928	1137
4. Net Output Water with 25% allowance for piping	4973	4563	3864	3085	1818
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.75	8.90	9.03	9.03	8.52
6. Output at Boiler Outlet–Thousands BTU. per Hour	932	855	724	578	341
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	12	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	124.5	99.5	83.0	66.3	41.5
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	7.00	5.63	4.69	3.76	2.35
10. Overall Efficiency of Boiler and Grate...Per cent	60	69	70	70	66
11. Flue Gas Temperature leaving Boiler...Degrees F	760	600	510	430	310
12. Draft Tension in Smoke Outlet...Inches	.34	.24	.19	.14	.07
13. Chimney required–Dimensions...Inches	16x16	16x16	12x16	12x16	12x16
Height...Feet	40	35	35	35	35

S—3–6 Steam	W—3–6 Water				
Grate Area					17.03 sq. ft.
Fuel Depth					9 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					1383 lbs.
Available Fuel Capacity (Magazine)					700 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	2271	2251	1933	1527	852
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	3634	3602	3094	2444	1363
3. Net Output Steam with 25% allowance for piping	1817	1801	1547	1222	682
4. Net Output Water with 25% allowance for piping	2907	2881	2475	1955	1091
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	6.45	8.00	8.26	8.13	7.29
6. Output at Boiler Outlet–Thousands BTU. per Hour	545.8	541	464	367	205
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	87.6	70.0	58.3	46.7	29.2
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	10.53	8.43	7.02	5.63	3.52
10. Overall Efficiency of Boiler and Grate...Per cent	50	62	64	63	56.5
11. Flue Gas Temperature leaving Boiler...Degrees F	570	470	410	340	250
12. Draft Tension in Smoke Outlet...Inches	.13	.09	.07	.05	.02
13. Chimney required–Dimensions...Inches	16x20	16x16	12x16	12x16	12x12
Height...Feet	35	35	35	35	35

S—3–7 Steam	W—3–7 Water				
Grate Area					20.50 sq. ft.
Fuel Depth					9 inches
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)					1657 lbs.
Available Fuel Capacity (Magazine)					837 lbs.
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	3087	2822	2464	1937	1093
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	4940	4515	3943	3100	1749
3. Net Output Steam with 25% allowance for piping	2470	2257	1971	1500	874
4. Net Output Water with 25% allowance for piping	3952	3612	3155	2580	1399
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.36	8.39	8.78	8.65	7.81
6. Output at Boiler Outlet–Thousands BTU. per Hour	742	678	592	465.6	262.7
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	104.5	83.7	69.8	55.8	3.49
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	10.53	8.43	7.02	5.63	3.52
10. Overall Efficiency of Boiler and Grate...Per cent	57	65	68	67	60.5
11. Flue Gas Temperature leaving Boiler...Degrees F	630	520	450	470	270
12. Draft Tension in Smoke Outlet...Inches	.15	.11	.08	.05	.03
13. Chimney required–Dimensions...Inches	16x20	16x20	16x16	12x16	12x12
Height...Feet	35	35	35	35	35

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Performance Tables—Molby Magazine-Feed Downdraft-Crossdraft Boilers

Tests made by the Frost Research Laboratory (See Page 2)

S—3–8 Steam / W—3–8 Water					
Grate Area	23.70 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	1932 lbs.				
Available Fuel Capacity (Magazine)	977 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	3481	3445	3043	2400	1371
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	5570	5512	4869	3840	2193
3. Net Output Steam with 25% allowanee for piping	2785	2756	2434	1920	1096
4. Net Output Water with 25% allowance for piping	4456	4409	3895	3072	1754
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.10	8.78	9.29	9.16	8.39
6. Output at Boiler Outlet–Thousands BTU. per Hour	836.5	827.8	731	576.7	329
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash eontent)...lbs.	122	97.7	81.5	65.2	40.7
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	10.53	8.43	7.02	5.63	3.52
10. Overall Efficiency of Boiler and Grate...Per cent	55	68	72	71	65
11. Flue Gas Temperature leaving Boiler...Degrees F	830	640	520	420	260
12. Draft Tension in Smoke Outlet...Inches	.21	.15	.115	.085	.04
13. Chimney required–Dimensions...Inches	20x20	16x20	16x20	16x16	12x12
Height...Feet	35	35	35	35	35

S—3–9 Steam / W—3–9 Water					
Grate Area	26.9 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	2210 lbs.				
Available Fuel Capaeity (Magazine)	1120 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	4141	4120	3678	2910	1648
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	6625	6593	5885	4657	2637
3. Net Output Steam with 25% allowanee for piping	3312	3296	2942	2328	1318
4. Net Output Water with 25% allowance for piping	5300	5274	4700	3725	2110
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.36	9.16	9.80	9.68	8.78
6. Output at Boiler Outlet–Thousands BTU. per Hour	995	990	884	699	396
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	140	112.0	93.4	74.8	46.7
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	5.20	4.16	3.47	2.79	1.73
10. Overall Efficiency of Boiler and Grate...Per cent	57.0	71.0	76.0	75.0	68.0
11. Flue Gas Temperature leaving Boiler...Degrees F	980	760	630	510	330
12. Draft Tension in Smoke Outlet...Inches	.25	.19	.145	.105	.05
13. Chimney required–Dimensions...Inches	20x20	16x20	16x20	16x16	12x16
Height...Feet	35	35	35	35	35

S—3–10 Steam / W—3–10 Water					
Grate Area	30.2 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	2481 lbs.				
Available Fuel Capaeity (Magazine)	1253 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	4872	4816	4173	3345	1950
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	7795	7705	6676	5351	3119
3. Net Output Steam with 25% allowance for piping	3898	3853	3338	2676	1560
4. Net Output Water with 25% allowance for piping	6236	6160	5341	4281	2495
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.74	9.55	9.93	9.93	9.29
6. Output at Boiler Outlet–Thousands BTU. per Hour	1171	1157	1002.7	803.7	468.5
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	13	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	156.8	125.3	104.5	83.7	52.3
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	5.19	4.14	3.46	2.77	1.73
10. Overall Efficiency of Boiler and Grate...Per cent	60	74	77	77	72
11. Flue Gas Temperature leaving Boiler...Degrees F	1020	790	660	540	350
12. Draft Tension in Smoke Outlet...Inches	.265	.195	.15	.11	.05
13. Chimney required–Dimensions...Inches	20x20	20x20	16x20	16x20	12x16
Height...Feet	35	35	35	35	35

S—3–11 Steam / W—3–11 Water					
Grate Area	33.4 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	2765 lbs.				
Available Fuel Capaeity (Magazine)	1400 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	5439	5375	4663	3730	2179
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	8702	8599	7461	5969	3486
3. Net Output Steam with 25% allowance for piping	4351	4300	3730	2984	1743
4. Net Output Water with 25% allowance for piping	6962	6879	5969	4775	2789
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.74	9.55	9.93	9.93	9.29
6. Output at Boiler Outlet–Thousands BTU. per Hour	1107	1291	1120	896	523
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	175	140	116.8	93.4	58.4
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	5.23	4.19	3.49	2.79	1.75
10. Overall Efficiency of Boiler and Grate...Per cent	60	74	77	77	72
11. Flue Gas Temperature leaving Boiler...Degrees F	1020	790	660	540	350
12. Draft Tension in Smoke Outlet...Inches	.28	.20	.16	.12	.055
13. Chimney required–Dimensions...Inches	20x24	20x20	16x20	16x20	16x16
Height...Feet	35	35	35	35	35

S—3–12 Steam / W—3–12 Water					
Grate Area	36.6 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	3032 lbs.				
Available Fuel Capaeity (Magazine)	1532 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	5962	5877	5101	4080	2388
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	9539	9403	8162	6528	3821
3. Net Output Steam with 25% allowance for piping	4769	4701	4081	3264	1910
4. Net Output Water with 25% allowance for piping	7631	7525	6530	5223	3056
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.74	9.55	9.93	9.93	9.29
6. Output at Boiler Outlet–Thousands BTU. per Hour	1432.6	1412	1225.8	980.5	573.8
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash eontent)...lbs.	191.8	153.2	127.8	102.2	64.0
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	5.21	4.18	3.49	2.79	1.74
10. Overall Efficiency of Boiler and Grate...Per cent	60	74	77	77	72
11. Flue Gas Temperature leaving Boiler...Degrees F	1020	790	660	540	350
12. Draft Tension in Smoke Outlet...Inches	.29	.21	.165	.125	.055
13. Chimney required–Dimensions...Inches	20x24	20x20	20x20	16x20	16x16
Height...Feet	35	35	35	35	35

S—3–13 Steam / W—3–13 Water					
Grate Area	39.8 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	3313 lbs.				
Available Fuel Capaeity (Magazine)	1675 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	6532	6432	5568	4462	2613
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	10452	10291	6908	7130	4181
3. Net Output Steam with 25% allowanee for piping	5226	5145	4454	3569	2090
4 Net Output Water with 25% allowance for piping	8361	8233	7126	5711	3345
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.74	9.55	9.93	9.93	9.29
6. Output at Boiler Outlet–Thousands BTU. per Hour	1569.7	1545.6	1328	1072	628
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	210	167.5	139.5	111.8	70
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	5.28	4.20	3.50	2.80	1.76
10. Overall Efficiency of Boiler and Grate...Per cent	60	74	77	77	72
11. Flue Gas Temperature leaving Boiler...Degrees F	1020	790	660	540	350
12. Draft Tension in Smoke Outlet...Inches	.30	.22	.17	.13	.06
13. Chimney required–Dimensions...Inches	20x24	20x24	20x20	16x20	16x16
Height...Feet	35	35	35	35	35

S—3–14 Steam / W—3–14 Water					
Vertical Grate Area	43.0 sq. ft.				
Fuel Depth	9 inches				
Total Fuel Capacity (based on fuel of 52.5 lbs. per cu. ft.)	3589 lbs.				
Available Fuel Capaeity (Magazine)	1814 lbs.				
1. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Steam Radiation @ 240 BTU. per sq. ft. per Hour	7076	6976	6050	4837	2827
2. Output at Boiler Outlet–Sq. Ft. Equiv. Direct Hot Water Radiation @ 150 BTU. per sq. ft. per Hour	11321	11161	9680	7739	4523
3. Net Output Steam with 25% allowance for piping	5660	5580	4840	3869	2261
4. Net Output Water with 25% allowance for piping	9057	8929	7740	6191	3618
5. Evap. per lb. of Fuel@ 12500 BTU. per lb. Fuel Steam@ 2 lbs. Pressure	7.74	9.55	9.93	9.93	9.29
6. Output at Boiler Outlet–Thousands BTU. per Hour	1697	1673	1451	1160	678
7. Firing Interval – Hours to burn one Available Fuel Charge	8	10	12	15	24
8. Fuel burned per Hour (based on 15% Ash content)...lbs.	227	181.4	151.3	121.0	75.6
9. Rate of Combustion–Lbs. of Fuel burned per sq. ft. Grate per Hour	5.28	4.20	3.50	2.80	1.76
10. Overall Efficiency of Boiler and Grate...Per cent	60	74	77	77	72
11. Flue Gas Temperature leaving Boiler...Degrees F	1020	790	660	540	350
12. Draft Tension in Smoke Outlet...Inches	.31	.23	.175	.135	.06
13. Chimney required–Dimensions...Inches	20x24	20x20	20x20	16x20	16x16
Height...Feet	35	35	35	35	35

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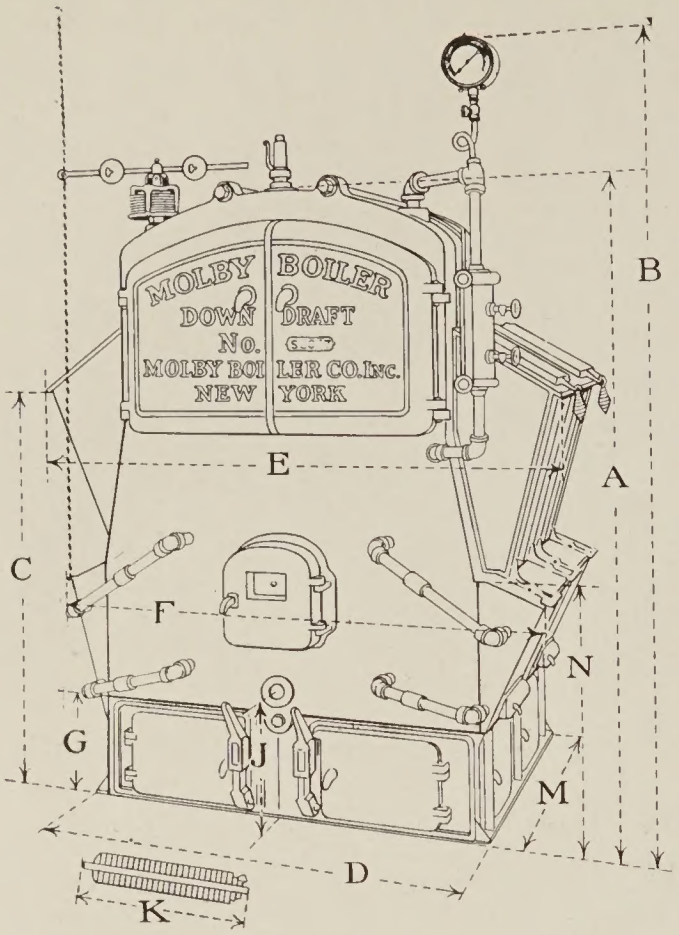

Figure 1

No. 3 and No. 2 Series—Steam and Water Boilers

NOTE—Dimensions (in inches) below for Figures 1, 2, and 3.

Diagram	No. 3 Series	No. 2 Series	No. 1 Series
A	78½	63¼	53
B	89	74½	67
C	57	51	45
D	52½	45	25
E	71	61	42
F	67	52	36
G	15	14	14
H	14	10½	10½
J	24	21	14
K	21	18	18
L	63	50	44
*M			
N	37	36	30

*M—Outside dimension of base, also inside dimension, in table opposite.

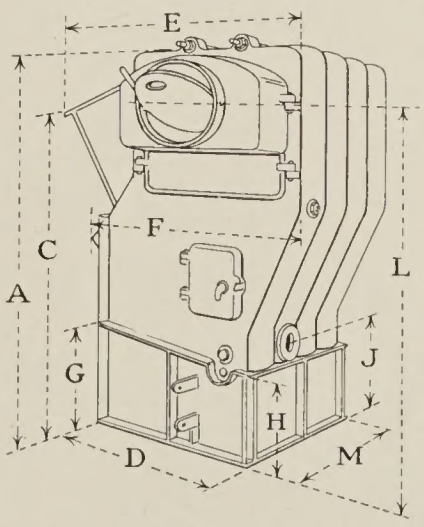

Figure 3

No. 1 Series—Right Hand Smoke Outlet. Steam and Water Boilers.

Measurements in Inches

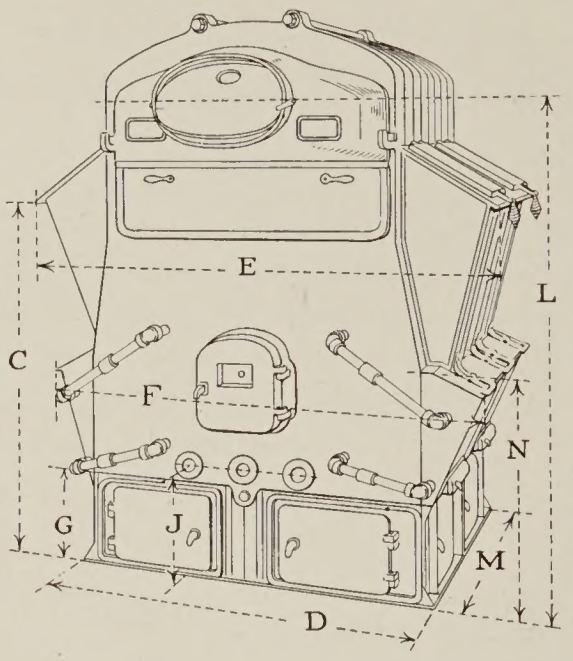

Figure 2

No. 3 and No. 2 Series (Back View) Steam and Water Boilers.

NOTE—Dimensions (in inches) below for Figures 1, 2, and 3.

"M" Dimension—Outside Length of Base

Size of Boiler	Size of Boiler	Inches
1–4	2–5	32
1–5	2–6	38¼
1–6	2–7	44¼
1–7	2–8	50½
1–8	2–9	56⅝
	2–10	62¾
	2–11	68⅞
3–6		48¼
3–7		57¼
3–8		66½
3–9		74¼
3–10		82½
3–11		90¾
3–12		99
3–13		107¼
3–14		115½

Inside dimensions of bases are:

No. 1 series....5½ inches less than outside.
No. 2 series....5½ inches less than outside.
No. 3 series....6 inches less than outside.

End Sections (Face to Face Dimension through Nipple Opening)		Intermediate Sections (Face to Face Dimension through Nipple Opening)	
No. 1 Series	6	No. 1 Series	6
No. 2 Series	6	No. 2 Series	6
No. 3 Series	6⅞	No. 3 Series	8

Sizes, Ratings, Dimensions, Weights, Etc.
Molby Magazine-Feed Boilers

STEAM OR VAPOR, Number 1 Series

Number	Height Inches	Width Inches	** Length Inches	Smoke Pipe Inches	Water Line Inches	Steam Outlets Inches	Returns Inches	Size of Chimney Flues Inches	Shipping Weight Approximate Pounds	Grate Area	Commercial Rating Steam	*Advised Load Steam
S—1–4	54	41	35½	10	44	2–3	2–3	8x12	2100	2.44	375	275
S—1–5	54	41	42	10	44	2–3	2–3	8x12	2530	3.23	507	375
S—1–6	54	41	48½	10	44	2–3	2–3	8x12	2980	4.02	646	475
S—1–7	54	41	55	10	44	2–3	2–3	12x12	3430	4.80	779	575
S—1–8	54	41	61½	10	44	2–3	2–3	12x12	3890	5.60	908	675

STEAM OR VAPOR, Number 2 Series

S—2–5	62½	61	44	14	50	2–3	2–4	12x12	4210	7.14	1158	839
S—2–6	62½	61	50⅜	14	50	2–3	2–4	12x12	4910	8.90	1466	1087
S—2–7	62½	61	56¾	14	50	3–3	2–4	12x16	5670	10.60	1785	1334
S—2–8	62½	61	63⅛	14	50	3–3	2–4	12x16	6430	12.40	2106	1585
S—2–9	62½	61	69½	14	50	3–3	2–4	16x16	7095	14.20	2431	1852
S—2–10	62½	61	75⅞	14	50	3–3	2–4	16x16	7800	15.09	2759	2138
S—2–11	62½	61	82	14	50	4–3	2–4	16x16	8460	17.70	3093	2405

STEAM OR VAPOR, Number 3 Series

S—3–6	80	75½	59	14	63	2–4	2–5	16x16	8620	17.03	1817	1900
S—3–7	80	75½	67½	16	63	3–4	3–5	16x16	9870	20.50	2470	2275
S—3–8	80	75½	76	16	63	3–4	3–5	16x20	11220	23.70	2785	2650
S—3–9	80	75½	84½	18	63	3–4	3–5	16x20	12430	26.90	3312	3025
S—3–10	80	75½	93	18	63	4–4	3–5	20x20	13730	30.20	3898	3400
S—3–11	80	75½	101½	18	63	4–4	3–5	20x20	14960	33.40	4351	3775
S—3–12	80	75½	110	18	63	4–4	3–5	20x24	16270	36.60	4769	4150
S—3–13	80	75½	118½	18	63	4–4	3–5	20x24	17480	39.80	5226	4525
S—3–14	80	75½	127	18	63	4–4	3–5	20x24	18860	43.00	5660	4900

NOTE: When ordering No. 1 Series state whether you wish same fitted up with right hand or left hand magazine. Cuts of No. 1 Series shown are right hand. Length includes Smoke Box.

EQUIPMENT: Each steam boiler is equipped with a full set steam trimmings, a pressure regulator and a complete set of firing and cleaning tools. Instruction books for erecting and operating accompany each boiler.

WATER, Number 1 Series

Number	Height Inches	Width Inches	** Length Inches	Smoke Pipe Inches	Flow Outlets Inches	Returns Inches	Size of Chimney Flues Inches	Shipping Weight Approximate Pounds	Grate Area	Commercial Rating Water	*Advised Load Water
W—1–4	54	41	35½	10	2–3	2–3	8x12	2090	2.44	600	450
W—1–5	54	41	42	10	2–3	2–3	8x12	2500	3.23	813	615
W—1–6	54	41	48½	10	2–3	2–3	8x12	2900	4.02	1035	780
W—1–7	54	41	55	10	2–3	2–3	12x12	3400	4.80	1247	945
W—1–8	54	41	61½	10	2–3	2–3	12x12	3870	5.60	1450	1110

WATER, Number 2 Series

W—2–5	62½	61	44	14	2–3	2–4	12x12	4200	7.14	1852	1343
W—2–6	62½	61	50⅜	14	2–3	2–4	12x12	4590	8.90	2356	1739
W—2–7	62½	61	56¾	14	3–3	2–4	12x16	5660	10.60	2856	2135
W—2–8	62½	61	63⅛	14	3–3	2–4	12x16	6415	12.40	3370	2537
W—2–9	62½	61	69½	14	3–3	2–4	16x16	7075	14.20	3890	2964
W—2–10	62½	61	75⅞	14	3–3	2–4	16x16	7995	15.09	4414	3422
W—2–11	62½	61	82	14	4–3	2–4	16x16	8450	17.70	4934	3969

WATER, Number 3 Series

W—3–6	80	75½	59	14	2–4	2–5	16x16	8600	17.03	2907	3135
W—3–7	80	75½	67½	16	3–4	3–5	16x16	9860	20.50	3952	3750
W—3–8	80	75½	76	16	3–4	3–5	16x20	11201	23.70	4456	4370
W—3–9	80	75½	84½	18	3–4	3–5	16x20	12415	26.90	5300	4990
W—3–10	80	75½	93	18	4–4	3–5	20x20	13715	30.20	6236	5610
W—3–11	80	75½	101½	18	4–4	3–5	20x20	14940	33.40	6962	6225
W—3–12	80	75½	110	18	4–4	3–5	20x24	16260	36.60	7631	6845
W—3–13	80	75½	118½	18	4–4	3–5	20x24	17460	39.80	8361	7465
W—3–14	80	75½	127	18	4–4	3–5	20x24	18550	43.00	9057	8085

EQUIPMENT: Each water boiler is equipped with a thermometer, a water temperature regulator and a complete set of firing and cleaning tools. Instruction books for erecting and operating accompany each boiler.

*When domestic hot water supply tank is to be heated by heating boiler add to actual load 2 sq. ft. for each gallon of tank capacity on a steam job, and 3 sq. ft. for each gallon on a hot water job.

** See assembling directions for exact length of boiler when it was assembled before leaving foundry.

Don't Go On Wasting Money

THERE are thousands of owners of homes, apartments, garages, factories and other large buildings who are allowing their fuel to cost them at least twice as much each year as it should.

All of these buildings are owned by men with keen business foresight; and if they were having such a loss on the operation of any other branch of their business, such as delivery trucks—or even their personal automobile—they would immediately notice it because they are accustomed to watching expense on these items and because there is a definite basis by which they can judge the average cost. They would take immediate steps to dispose of the expensive appliance that is running up the cost of operation to double what it ought to be, and get the modern appliance that would cut this cost in half.

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Don't be without the genuine comfort and labor-saving that the Molby can give you.

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